# CANEY CREEK WBID 3051

#### **Recreational Use Attainability Analysis**

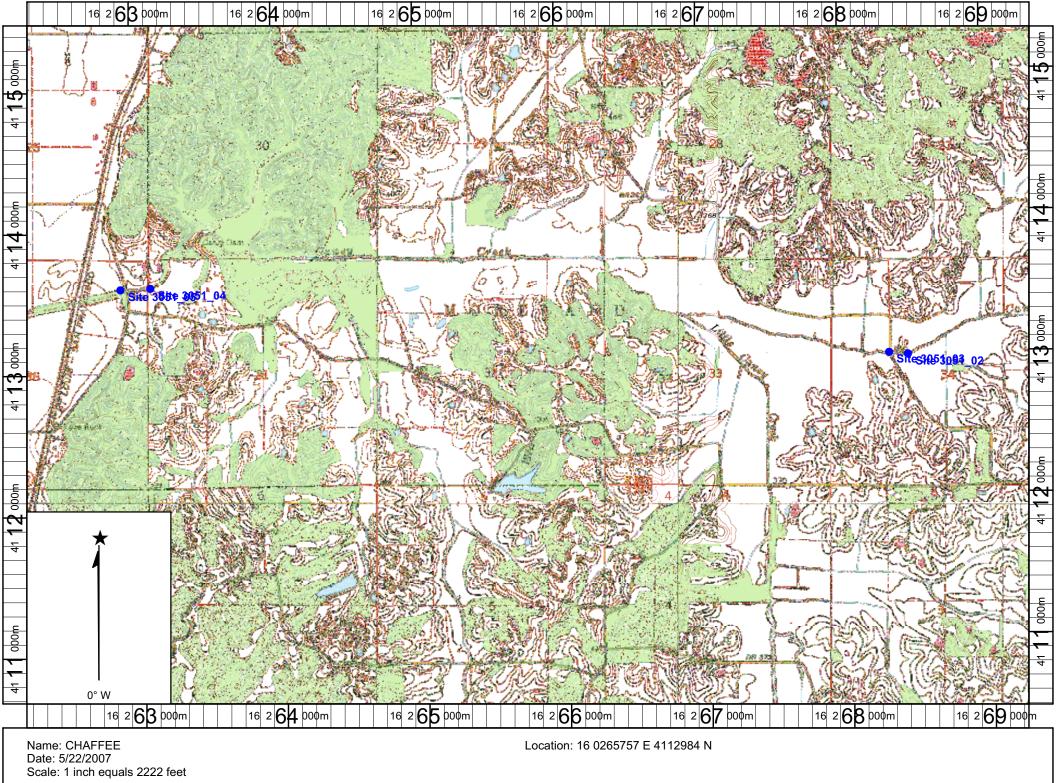
May 2007

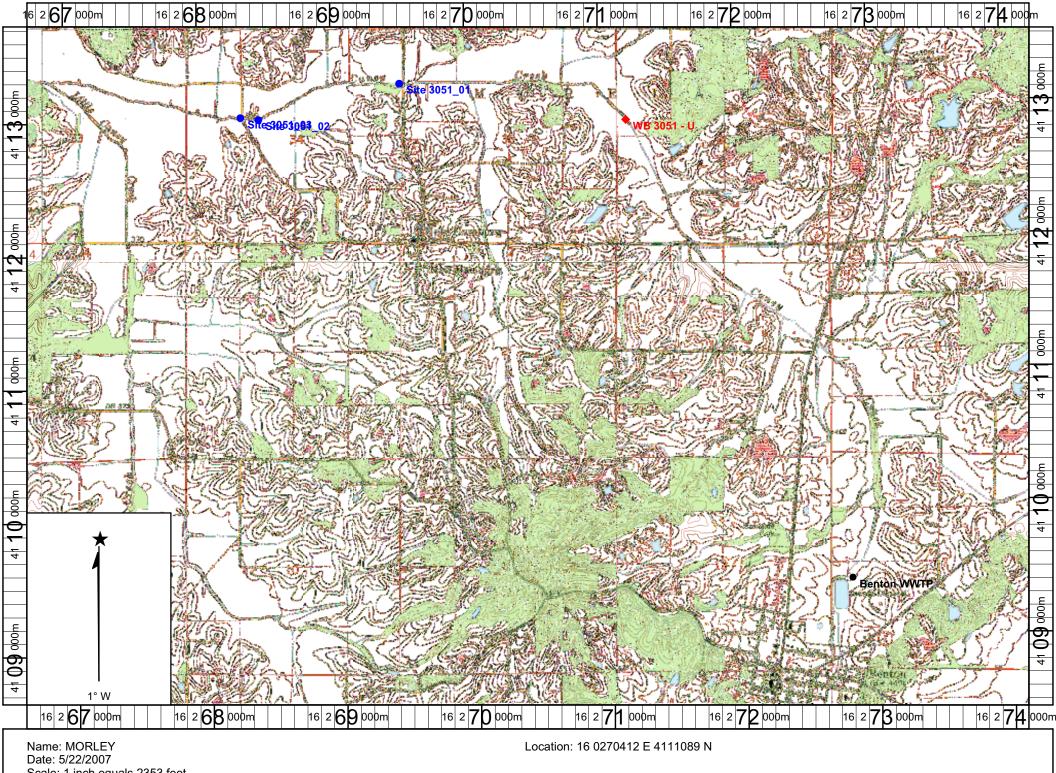
PREPARED FOR:
RFP No: B3Z07134
Water Quality Monitoring & Assessment Section
Water Protection Program
Division of Environmental Quality
MISSOURI DEPARTMENT OF NATURAL RESOURCES
301 West High Street
Jefferson City, MO 65102

PREPARED BY:
MEC WATER RESOURCES, INC.
1123 Wilkes Blvd., Ste. 400
Columbia, MO 65201

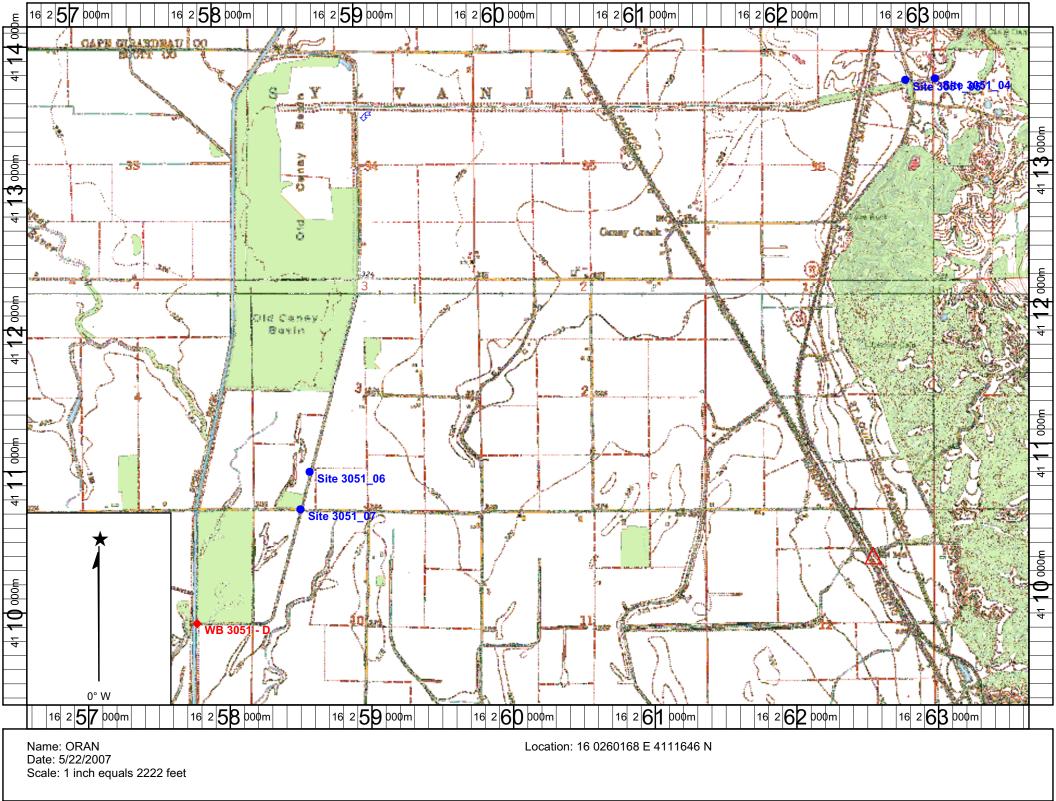
Data Sheet A - Water Body Identification

I. Water Body Information (For w		ed)				
Water Body Name (from USGS	7.5' quad):	avey Cree K				
Missouri Water Body Identificat	ion (WBID) Number:	avey Cree K 3051				
8-digit HUC: 08020204 -1	Little Pin Ditcher	County: 500 14				
Upstream Legal Description (fro	m Table H):	7911 175				
Downstream Legal Description(f	rom Table H):	1 21N 17 F				
Number of sites evaluated	7	, 7810				
List all sites numbers, listed cons	equently upstream to	downstream:				
Sites - 1, 2,						
II. Subesegmentation (fill this section)	ion out only in cases	where subsegmentation is being proposed)				
TOURIST OCCUPANTALES (DUITERSME INANS	VERSE MERCATOR PROJECT	ion, in Meters)				
Upstream Coordinates: UTM X Y		Downstream Coordinates:				
HORIZONTAL COLLECTION METHOD (Indicate )	he method used to determine the	UTM X Y				
Global Positioning Syste	ım (GPS)	Interpolation				
Static Mode		Topographic Map or DRG				
Dynamic Mode (Kinematic)		Aerial Photograph or DOQQ				
Precise Positioning Service		Satellite Imagery				
Signal Averaging		Interpolation Other				
Real Time Differential Processing						
HORIZONTAL ACCURACY ESTIMATE  GPS Data Qualit						
FOM ±		Interpolation Data Quality				
	r ± Meters	Source Map Scale: 1:24,000 1:100,000 Other				
PDOP	T Mercia	+ Fact of 1				
. Discharger Facility Information	(list all permitted disc)	± Feet or ± Meters				
Dischangen Engility Many -(-).	_					
	Benton Wu					
Discharger Permit Number(s):	MO 0055182	794				
. UAA Surveyor (please print legib	olv)					
Name of Surveyor		Telephone Number:         (543) 634-7078				
Organization/Employer: E & C		1/////05/ 20/0				
Position: Tield Mana	1125					
	$\supset$					
ease verify that you have complete	ed all sections, check	ed all applicable boxes and that everything is				
mplete. gned: Roley (1), B.						
	àcon	Date:				
MUC	5-21-01					
	5-21-07 Alc 5/22	107				
February 16, 2007	UMICSI	Page 1				





Scale: 1 inch equals 2353 feet



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WBID#_	3051
Site#	1

Date & Time	5 - 0 -	n# (0:3)	n	s	ite Location De	scription (e.g., road crossing):	<b>\</b>				
		07 (8:2			Rt. A Hwy Bridge N & New Harnburg						
		: Aloby & Bol		TC.		IMA BUCASO IN R	New Transacti				
Current Weathe	r Condition	s: Sunny, hot,	طومه	~ ~ J <del>                                 </del>	Facility Name: Revion WWTP  Permit Number: MOWS5182						
Weather Condit	ions for Pas	st 10 days:				740002018					
Drought Conditi	ione?· No d	Ironaht 🖾 · Phace I [	7. Phas	a II 🗍 · Dho	ce III Ti Dhace	e IV □; Unknown □					
Diodgit Colldic	ions:. INO o	aougin 23, Thase I L	, riias	KIILJ, FIIA	SCIII LI, FIIASC	TV LI, UNKNOWN LI					
te Locations											
		TM X: 16 3 (				∱113233 a)					
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Static Mode	***************************************				Topogra	phic Map or DRG					
Dynamic Mode (					Aerial P	hotograph or DOQQ					
Precise Position					Satellite	Imagery					
Signal Averaging			<del></del>		Interpol	ation Other					
Real Time Differ						-					
HORIZONTAL A	CCURACY	ESTIMATE									
		GPS Data Quality				Interpolation Dat	ta Quality				
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PDOP	<u></u>				±Feet or ±Meters						
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77					A30	1	1				
<u> </u>			*								
ses Observed	*: (Uses :	actually observe	d at tin	ne of surv	ey.)	· · · · · · · · · · · · · · · · · · ·					
☐ Swimming		☐ Skin diving		☐ SCUBA	diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing		☐ Kayaking		☐ Boating		☐ Wading	☐ Rafting				
☐ Hunting		☐ Trapping		☐ Fishing		☑ None of the above	Other:				
Describe: (Includ	de number o	of individuals recreati			ation of evidenc		e Data Sheet D- Recreational				
Use Interview w	hen conduct	ting interviews.)	•			•					
irrounding C	nndition	C** (Mark all that -	note of	nnada	mal war - 1 ··· ·	photos of evidence or unusual iten	#1				
l			1								
☐ City/county p		Playgrounds	<u> </u>	OC conservat		Urban areas	Campgrounds				
☐ Boating acces	sses	☐ State parks	<del>  .                                     </del>	tional forests	3	☐ Nature trails	☐ Stairs/walkway				
☐ No trespass si	ign	☐ Fence	∫ CX Ste	ep slopes		☐ None of the above	☐ Other:				
Comments:	arm f	jelds									

WBID#_	3051
Site#	1

☐ Rope swings		☐ Foot paths/pri	nts 🔲 D	ock/platform	☐ Livestock	Watering	□ RV / ATV Tracks		
☐ Camping Sit	tes	☐ Fire pit/ring	□N	PDES Discharge	☐ Fishing Tackle		Other:		
Comments:		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 —			···	
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POOL									
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POOL			•						
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er Characte ODOR: BOTTOM DEPO	etion*: (Note amore vegetation)  pristics*: (Mark a	Il that apply.)  Clear  Sludge	% Sand or algal gr chair.  Musky Green Solids	rowth at the ass	É None ☐ Milky S ☐ None	□ Other □ Other	r: : Tur		
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er Characte ODOR: BOTTOM DEPO	obble   %  ation*: (Note amore c vegetation  eristics*: (Mark a	Il that apply.)  Clear  Sludge  Oil	% Sand or algal gr chair.  Musky Green Solids Scum	□ Chemical □ Gray □ Fine sediment	É None ☐ Milky S ☐ None	□ Other □ Other	r: : Tur		
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ERC Recreational Use Attainability Analysis Field Survey Sheet

(OA 031 - Up (OC-11)

(OB 030 - Down (OC-11)

				11	ade	,											Wa	iter Qu	ality Pa	iramet	ers	
	Waterb	ody ID:	<u>309</u>	59 <u>21</u>	VI.	Site #:	<u>01</u>	٨		>			. 100 <sup>2</sup>	大世		Dis	solved (	Oxygen:	5.	22	(mg/L)	
	Waterbody ID: 305 21 At Site #: 01  Weather Conditions: Sunw Few Jours 50  Dissolved Oxygen: 5.22 (mg/L)  Dissolved Oxygen: (6.2 (% sat)																					
	GPS Lo		1/ -	5 <i>0</i> 20	- 0010	-	1 ITA V-	1111	273	Z								c Cond:			(µS/cm	,
		O I IVI A.	10	Ho!	rizontal.	) Accurac	y Estima	ate (GPS	S Data C	<u>ು</u> Quality):	+/-	7	(feet)				·	,			. •	,
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	l												1					Time:	18:3	-2		
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3	28	.07	,28	.22	,32	.2Ce	,28	,19	.44	,21	.4	.13	,28	.15	.24	.09	,4	,24	, 14	106	.26	,10
4	.42	.16	,42	.33	,48	.34	42	,25	166	,30	.6	13	イン	,19	.36.	.13	,6	,30	ない	Ó	,39	.\7
5	5	14	.56	34	164	.39	,56	29	188	,32	- M	.13	15G	,22	.48	.16	, 8	.33	<u>132</u>	. 18	.52	.17
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8	,98			.35	1.12	.32	.98	,25	1,54	,28	14	13	,98	.13	,84	19.	14	,29	.56	. 20	.91	.15
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_	1110	.04	1.2le	14	1,44	^	1.26	<del></del>	1.98	19	1.8	04	1,26	.046			1.8	.10	,72	.09	117	,03
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12 cature Type	12 Type													· · · · · · · · · · · · · · · · · · ·								
, run, or pool							50	LN.	ra	N	10	17	ra	n	ra	$\mathcal{N}$	ra	1	EU!	ر	rur	\

Notes: Transects will be measured beginning on left descending bank and finishing on right descending bank.

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order.

WBID#	3051
Site#	2

					<del></del>							
	Date & Time:	5-9-0	7:45	<u>ာ</u>	s	lite Loca	ation Des	cription (e.g., road crossing)	Musiterwob-			
	Personnel (Data	Collectors)	: Aloby ? 80	B		@ county road 227 bridge						
	Current Weathe	r Condition	s: sunny, cli	or 78°	L	acility lermit N		Benton ww.	79			
	Weather Condit	ions for Pas	t 10 days:	-		emmi iv	unioer.	<u> </u>				
	Drought Conditi	ions?: No d	rought 🛛; Phase I 🛭	]; Phase II	□; Pha	se III [	]; Phase	IV □; Unknown □				
n:												
<b>3</b> 1	te Locations Location cook		NIVERSAL TRANSVER	SE MERCATO	R PROJ	ECTION	IN METER	<b>RS</b> )				
	HORIZONTAL CO				determin	e the loc	itional data	112989				
	Static Mode	Global	Positioning System (	GPS)			***	Interpola	tion			
	Dynamic Mode (	Kinematic)						phic Map or DRG notograph or DOQQ				
	Precise Position						Satellite					
	Signal Averaging				-			ition Other				
	Real Time Differ		seinn									
	HORIZONTAL A					V9-50-19						
	<u> </u>	i in a thair a	GPS Data Quality	NEW TORK COLD TO BUTTON STORE	<u>interplation</u>		(A) (194 A (1) 10 (1) (1) (1)	Interpolation Da				
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	PDOP							rreet of r	ivieters			
Ph	otos:					,						
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			☐ Skin diving					☐ Tubing	☐ Water skiing			
	☐ Wind surfing		☐ Kayaking		Boating			☐ Wading	Rafting			
	☐ Hunting		Trapping		Fishing			None of the above	Other:			
	Use Interview w	de number ( hen conduc	of individuals recreati	ng, photo-do	cument	ation of	evidence	of recreational uses, etc. U	se Data Sheet D- Recreational			
	Ose mierview w	nen conduc	ing niterviews.)									
				***************************************								
3u	rrounding C	ondition	S*: (Mark all that pron	note or impede	e recreati	ional use	s. Attach p	hotos of evidence or unusual ite	ems of interest.)			
	☐ City/county		☐ Playgrounds	□ MDC с				☐ Urban areas	☐ Campgrounds			
	☐ Boating acce	esses	☐ State parks	☐ Nation	al forest	ls	**************************************	☐ Nature trails	☐ Stairs/walkway			
	☐ No trespass s	ign	☐ Fence	⊠ Steep s	lopes			☐ None of the above	☐ Other:			
	The trespensing To Tence Discourse D											
	Comments:	Fre	n fields									
		1001	16/6/2						,			
1							····					

WBID#_	3051
Site#	2)

☐ Roads	☐ Rope swings	pe swings   D Foot paths/		Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks		
☐ Camping Si	ing Sites ☐ Fire pit/ring			NPDES Discharge	☐ Fishing Tackle	Other:		
Comments:			5 1 -	THE DOLD IN CHARGE	La Tissing Tackie	Li Otter.		
	None							
L								
ream Morph	ology:							
Upstream Vi	ew's Physical De	scriptions: Is	s there any w	ater present at th	is view? 🕱 Yes 🛭	l No		
		If	so, is there	an obvious curre	nt? Ď(Yes □	No		
Select one of	the following cha	nnel feature	s:					
Channel Feature	Transect (		ce from	Width (m)	Length (m) Median D	epth (m) Max. Depth (n		
RIFFLE								
RUN								
POOL								
				in in the second se		12/12/20/20/20		
Downstream	View's Physical l	Descriptions:	Is there any	v water present a	t this view? 🗵 Yes	□ No		
			・経済は実施が変数を必要がある。	e an obvious cur		□ No		
	he following cha	nnel features	1	and the second s	en e	\$P\$		
Channel Feature RIFFLE	Distance from	n access (m)	Width (m)	Length (m	) Median Depth (	m) Max, Depth (m		
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POOL					· ·			
The manufacture start and an arrangements								
	ese values should	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			
		6 Gravel	% Sar		% Silt   100 % Mud/0	Clay % Bed		
uatic Vegeta	tion*: (Note amo	unt of vegetat	tion or algal	growth at the ass	essment site.)			
No vege	tation incl	annel						
					- No. of the second sec			
	eristics*: (Mark a	all that apply.)	)					
ODOR:		☐ Sewage	☐ Musky	☐ Chemical	None 🗆 Other	*		
COLOR:		☐ Clear	☐ Green	☐ Gray	☐ Milky 🖒 Other	· Very turbid		
BOTTOM DEPO	OSIT:	☐ Sludge	Solids	Fine sediments	s 🗆 None 🗆 Other			
WATER SURFA	CE DEPOSITION:	□ Oil	☐ Scum	☐ Foam				
**************************************		<u> </u>		LI FUAIII	☐ None ☐ Other	•		
mments: Plea	ise attach any add	itional comme	ents to this f	orm.				
ic information i	not to be used sale	le. Common.		4 1 1 .				
prehensive unde	erstanding of water	conditions. Co	or a recreation	nai use designation	but rather is to provide ot intended to directly in	a more		
ision on the recre	eation use analysis b	out may point to	conditions t	hat need further an	alysis or that affect anot	her use.		
					oxes and that everyt			
mo verny man	you have compr	(a)	ius, checkeu	an applicable o	oxes and that everyt	hing is complete.		
veyor's Signati	ire: Noluk	DE Mac		Date of Si	urvey: 5-9-0	The		
anization:	ERC.		Posit	ion: Field	Managur	A STATE OF THE STA		
				1 12-25	· IM WARLA			
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	On w	C 5-2	21-67		S.			

DA up 033 @(02-11

**ERC Recreational Use Attainability Analysis Field Survey Sheet** 

	100 m		n			<b>^</b> '' ''	3743 3742										W	ater Qu	ality Pa	aramet	ers-	
	Waterb							Alexander Marie de la companya	•							Dis	solved (	Oxygen:	Ч.1	18	(mg/L)	
P	Weather Conditions: Sunny Hard Dissolved Oxygen: Slik (% sat)																					
	GPS Location:  UTM X: 16 S O 268452 UTM Y: 41129 X Specific Cond: . ] 21 (µS/cm)																					
		Horizontal Accuracy Estimate (GPS Data Quality): +/- (feet)  Water Temperature: 72.47 (°C)																				
	Averag	e Strear	n Width		<u> </u>	<u> </u>	(1	meters)	Leng	gth of Si	ırvey Se	gment:	15	<u>) (</u>	meters)		•				,	
	Time: ユニュー																					
		(1810)							Aconsolhat Parking	Trans	ect Cr	oss-Se	ction						ı			
		1	<del> </del>	2	<del></del>	3		4	0	5	0	6		7		8		9		0	1	1
	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
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2	.213	.81	118	.13	.15	.05	,19	.05	17	.10	,21	,09:	.14	,08	125	<i>,</i> 07	.St	PO.	.14	,05	.27	,12
3	4.24	.32	.36	.29	,30	70.	.38	.04	,34	* 17	,42	.16	.28	.17	,25	.12	81,	.18	36,	,15	.54	.21
4	.639	.32	.54	.47	.45	1/.	.57	.10	.51	.20	.63	.17	142	. Z.Z.	.375.	.17	.27	,21	42	.18	,81	.33
5	<u>,850,</u>	.45	-72	.53	.(00)	<u>.</u>	.76	,29	.48	. Z	.84	.19	156	.32	.5	,20	.36	.22	,5G	م)(ه	1,08	,37
6	1065	.46	.9	.54	,75	.12	.95	.36	.85	,20	1.05	,23	.70	.35	.GZS	.15	7.	:22	,70	7	1,35	_38
7	1278	्ने	1,08	,51	.90	,12	1,14	.45	1,02	, 28	1.20	.23	T & C	.34	.75	.15	بيخرا	<i>P</i> <u>S</u> .	.84	,४२	162	.45
8	1,491	.37	1.26	.48	1.05	. 11	1.33	.41	1,19	, Z C	1.47	26	98	,32	,875	,13	.63	.22	,98	Ĭ,	1.89	.47
9	1.704	27	1.44	,32	1.2	13	.152	,30	1.36	,28	1.68	.21	1.12	.ZZ	1	,12	٦,٠	16	1.12	810	2.16	39
10	1.917	.13	162	.18.	1=35	.12	1.71		1.53	,18	1.89	.12	1,26	, 121	1,125	, 08	18,	,08	1,26	.15	2.43	.36
11	213	,0g	1.8	.62	1,5	10,	19	,02	1.7	,02	2,1	.06.	1,4	10,	1,25	,6]	,9	10.	1,4	,0è	2.7	00.
12	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						Tuniqa iya yesidani — ili	arranger w <sub>and</sub> y <sub>an</sub> an angalawa fif	y sang gamanan kanan kahan san	and the second s	Name and the state of the state	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							,			Wasan and Granges
Feature Typo , run, or pool)																						

Notes: Transects will be measured beginning on left descending bank and finishing on right descending bank.

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order.

JK 5/22/07

igned: Namh Wilmhus Date: 5/9/07

WBID#_	3051
Site#	3

Date & Time:	5-9	-07 8:4	.5	Si			cription (e.g., road crossing):			
Personnel (Data		: Abby (Bob			downst	TRO	im of CR227	Bridge		
				Fa	acility Name	3:	Benzon wu	2-5- 6		
Current Weather	r Condition	s: Sunny, clear	~ 8.2	D [	ermit Numbe		MO 0055182			
Weather Condit	ions for Pas	t 10 days:								
Drought Conditi	ions?: No d	lrought 🛛; Phase I 🗆	그; Phas	se II □; Pha	se III □; Pł	hase	IV □; Unknown □			
ite Locations:	<u>:</u>									
		NIVERSAL TRANSVER	SE MERC	CATOR PROJE	CTION, IN MI	ETER	<b>(S)</b>			
Site GPS Coor	dinates: U	TM X: 16 S	026	8318	Y:	4	113003			
HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the locational data:)										
Static Mode	Global	Positioning System (C	GPS)		Ton	Vulus	Interpolat phic Map or DRG	ion		
Dynamic Mode (	Kinematic)						notograph or DOQQ			
Precise Position	ing Service				Sate	ellite	Imagery			
Signal Averaging	3				Inter	rpola	tion Other			
Real Time Differ										
HORIZONTAL A	CCURACY				•					
FOM ± Meters Source Man Scale: 1:24 000, 1:400,000, Other										
EPE		meters	······································	Vieters	Soi	urce	Map Scale: 1:24,000 1:100,	000 Other		
PDOP				VICTO			±Feet or ±	Meters		
hotos:		DL D J.D	N1		DL -4- TD	.,, E	Di I D			
Photo ID# (WBID_Site#_##)		Photo Purpose and D (upstream, downstream,		1	Photo ID (WBID_Site#_)			se and Direction ownstream, other)		
	Up	ostrca.m					Downstream	*Y*\		
A35		771			A34	.	ام			
',,,"		, , ,			7107		TI			
ses Observed	l*: (Uses	actually observe	d at tir	me of surv	ev.)					
		☐ Skin diving					☐ Tubing	☐ Water skiing		
☐ Wind surfing		☐ Kayaking		☐ Boating			☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping		☐ Fishing			None of the above	☐ Other:			
	de number e				ation of evid	lence		e Data Sheet D- Recreational		
Use Interview w			۵, ۱							
ırrounding C	ondition	S*: (Mark all that pron	mote or in	mpede recreation	onal uses. Atta	ach p	hotos of evidence or unusual iter	ns of interest.)		
☐ City/county		☐ Playgrounds	1	DC conservat			☐ Urban areas	☐ Campgrounds		
☐ Boating acce	sses	☐ State parks	□ Na	ational forests	3		☐ Nature trails	☐ Stairs/walkway		
☐ No trespass s	ign	☐ Fence	₽Ste	eep slopes			☐ None of the above	☐ Other:		
Comments:	Farm						L. m. n.	1		

WBID#_	3061
Site#	3

				T	
Roads	☐ Rope swings	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
Comments:		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	☐ Other:
1 .	ONU				
	<u> </u>				
ream Morphol	ogy:				
-		criptions: Is there	any water present at th	is view? ☆ Yes □	l No
-	•		there an obvious curre	<b>'</b> \ <u></u>	No
Select one of the	e following cha			100	110
Channel Feature	Transect (#	Distance from access (m)	Width (m)	Length (m) Median D	epth (m) Max. Depth (m)
RIFFLE		access (III)			
RUN					
POOL					
Downstream Vi	ew's Physical I		re any water present a		□ No
	0 N		s there an obvious cur	rent? ⊠√Yes	□No
Select one of the Channel Feature	Distance fron		h (m) Length (m	) Median Depth (	m) Max. Depth (m)
RIFFLE			n (m) Luigh (m	y Wedian Depui	iii) Max. Deptii (iii)
RUN					
POOL					
bstrate*: (Thes	se values should	add up to 100%.)			
% Cobl	<del></del>	6 Gravel	% Sand	% Silt 90 % Mud/	Clay % Bedro
uatic Vegetati	on*: (Note amo	unt of vegetation or	algal growth at the ass		70 2001
uatic Vegetati	on*: (Note amo	unt of vegetation or	algal growth at the ass		77 77 77 77 77 77 77 77 77 77 77 77 77
uatic Vegetati	on*: (Note amo	unt of vegetation or	algal growth at the ass		70 70 70 70 70 70 70 70 70 70 70 70 70 7
**************************************			algal growth at the ass		702000
· · · · · · · · · · · · · · · · · · ·		ill that apply.)	algal growth at the ass		
ter Characteri		ıll that apply.) □ Sewage □		sessment site.)  ☑None ☐ Othe	r:
ter Characteri	stics*: (Mark a	ıll that apply.)  ☐ Sewage ☐ ☐  ☐ Clear ☐	Musky	Sessment site.)    None	r: : Very turbid
ter Characteri ODOR: COLOR:	stics*: (Mark a	Ill that apply.)  Sewage  Clear  Sludge	Musky □ Chemical Green □ Gray Solids ☑ Fine sediment	Sessment site.)  □ None □ Othe □ Milky □ Other  □ None □ Othe	r: : Very turbid r:
odor: COLOR: BOTTOM DEPOS WATER SURFAC	stics*: (Mark a	Ill that apply.)  Sewage  Clear  Sludge  Oil  Oil	Musky □ Chemical  Green □ Gray  Solids ☑ Fine sediment  Scum □ Foam	Sessment site.)    None	r: : Very turbid r:
oter Characteri ODOR: COLOR: BOTTOM DEPOS WATER SURFAC	stics*: (Mark a	Ill that apply.)  Sewage  Clear  Sludge	Musky □ Chemical  Green □ Gray  Solids ☑ Fine sediment  Scum □ Foam	Sessment site.)  □ None □ Othe □ Milky □ Other  □ None □ Othe	r: : Very turbid r:
odor: COLOR: BOTTOM DEPOS WATER SURFAC	stics*: (Mark a	Ill that apply.)  Sewage  Clear  Clear  Oil  Oil  itional comments to	Musky	Sessment site.)  □ None □ Othe □ Milky □ Other s □ None □ Othe □ None □ Other	r: : Very turbid r:
odor:  COLOR:  BOTTOM DEPOS  WATER SURFAC  mments: Please  is information is no	stics*: (Mark a	Ill that apply.)  Sewage  Clear  Clear  Climical comments to the conditions. Consequence conditions.	Musky	Sessment site.)  Solution Site.  Solution Sit	r:  Very turbid  r:  r:  a more  nfluence a
odor:  COLOR:  BOTTOM DEPOS  WATER SURFAC  mments: Please  is information is no apprehensive unders	stics*: (Mark a	Ill that apply.)  Sewage  Clear  Clear  Climical comments to the conditions. Consequence conditions.	Musky	Sessment site.)  Solution Site.  Solution Sit	r:  Very turbid  r:  r:  a more  nfluence a
odor:  COLOR:  BOTTOM DEPOS  WATER SURFAC  mments: Please  is information is no prehensive unders  ision on the recreate	stics*: (Mark a	Sewage	Musky	Sessment site.)  Solution Site.  Solution Site.  Solution Site.  Milky Solution Other  Solution Site.  None Solution Other  A but rather is to provide not intended to directly inalysis or that affect another.	r:  Very turbid  r:  a more  influence a  ther use.
odor:  COLOR:  BOTTOM DEPOS  WATER SURFAC  mments: Please  is information is n prehensive unders ision on the recreat  ase verify that y	stics*: (Mark a	Sewage	Musky	None Othe Milky Other S None Othe None Other S None Other A None Other A but rather is to provide not intended to directly inalysis or that affect and	r:  Very turbid  r:  a more  influence a  ther use.
odor:  COLOR:  BOTTOM DEPOS  WATER SURFAC  mments: Please is information is n iprehensive unders ision on the recreat ase verify that y veyor's Signature	stics*: (Mark a	Sewage	Musky	None Othe  Milky Other  None Othe  None Other  None Other  None other  a but rather is to provide detailed intended to directly in the content of the conten	r:  Very furbid  r:  a more  influence a  ther use.
ODOR: COLOR: BOTTOM DEPOS WATER SURFAC mments: Please is information is n prehensive unders sion on the recreat ase verify that y	stics*: (Mark a	Sewage	Musky	None Othe  Milky Other  None Othe  None Other  None Other  None other  a but rather is to provide detailed intended to directly in the content of the conten	r:  Very furbid  r:  a more  influence a  ther use.

**ERC Recreational Use Attainability Analysis Field Survey Sheet** 

										200					11		Wa	ater Qu	ality P	aramet	ers	
	Waterb	ody ID:	<u> 305</u>	7	-	Site #:	_03									Dis	solved (	Oxygen:	413	 34	(mg/L)	
	GPS Location:  Dissolved Oxygen:(% sat)																					
		UTM X:	160	5020	293	18	UTM Y:	식 ()	300 S Data (	<u>3</u>	· ^	<b>}</b>	(feet)				Specifi	c Cond:	3	9	(µS/cm)	)
	l				_						_					Wate	er Temp	erature:	24,	29	(°C)	
				_			. (	meters)	Len	gth of S	urvey Se	egment:			meters)			Time:	8:4	<		
	Fiel	d Staff:		Alble	1 4	· B0	0				······································	•						,,,,,			•	
										Tran	sect Cr	oss-Se	ction									
	0	01 02 03		3	0	4	0	5	0	6	0	7	0	8	0	9	1	0	1	1		
	Distance (m)	Depth (m)	Distance	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)						
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2	14	.15	.18	. [9	.108	,05	,13	, 0°%	,148	,04	16	.10	,1/	.07	,15	.05	,07	.12	134	.11	.49	.08
3	,28	.)6	.36	.29	,260	,27	.26	.17	26	.05	.32	.12	122	.12	,3b	.15	.14	.[4	,268		,29	.09
4	42	.08	,54	.31	,324	.27	39	.19	.444		:48	,10			,45.	.21	.72.	17	,402		4135	:09
5	56	,17	.72	,40	,4132	1	1	,23	હુવ	1]	44),	.09	,44		, نوی			,19	.536		,58	.19
~	170	,21	70		.54			,26			80	.10	rs)	,18	. 75		.39	.20	167	17	ภูวูร	,2}
7	,84	.22	1,08	S.			.78		,846		94		.66			,30	<del></del>		, 30H	19	,87	.27
8	,98	.21	1,26		,756		,91		1036		1.12	03	.77	.: .:2	1,05	.2	, 49	.18				.29
g	1/2	٦١,	1,44	_	,864			.20	1,184	,19	128		.88	.00		.15	.50		1.072			.26
10	1,26	,68	1,42		,972				1.332		1.44		, পুপ	·	1.35	.10	Š			.) (		. 23
11	. 11	ol		103		.67		,64			1.6	,0(	1,		1,5	.01	7	.00.			1.45	,07
		400				1	.\.`		1110		7.0	/- /		, ( <i>J</i>	, . —	. 1	- /	2 (2-2-2-			1. ()	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Feature Type																						:
riffle, run, or pool	<u> </u>											-										

Notes: Transects will be measured beginning on left descending bank and finishing on right descending bank.

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order.

WBID#_	3051
Site#	4

Personnel (Data Collectors): Abby : Bolo   Pacility Name:   Pacility Nam	Date & Time:	5-9-	07				Site Location Description (e.g., road crossing):						
Facility Name:   Permit Number:   Perm					ч	ibsh.eon	247	of CR, 252					
Verafter Conditions for Past 10 days:					- IN:								
Trought Conditions?: No drought © : Phase    □ : Phase   : Pha					Pe	ermit Numb	er:	<u>/MO 005518</u>	<u>2</u>				
Topographic Map of DRG   Topographic Map of DRG   Topographic Map of DRG	Weather Conditi	ons for Past	t 10 days:		······································								
Site GPS Coordinates: UTM X: I \( \) \(	Drought Condition	ons?: No di	rought ☑; Phase I □	]; Pha	se II □; Phas	se III □; P	hase	IV □; Unknown □					
Site GPS Coordinates: UTM X: IV S D & ( Site ) Y: 4   3 = 7 \( Q \)	e Locations:												
HORZONTAL COLLECTION METHOD (indicate the method used to determine the locational date)   Global Positioning System (GPS)	LOCATION COOR					ECTION, IN M	AETER	<b>(S)</b>					
Static Mode													
Topographic Map or DRG   Dynamic Mode (Kinematic)   Actal Photograph r DQQ													
Dynamic Mode (Kinematic)	Static Mode	Giobai	rusitioning dystein (c	3F G)		Тор	ogran						
Interpolation Other   Interpolation Other   Interpolation Other   Interpolation Other   Interpolation Data Quality   Interpolation	<u></u>	Kinematic)											
Real Time Differential Processing  HORIZONTA: ACCURACY ESTIMATE  GPS Data Quality  FOM	Precise Positioni	ng Service				Sate	ellite l	Imagery					
HORIZONTAL ACCURACY ESTIMATE  GPS Data Quality  FOM	Signal Averaging					Inte	rpola	tion Other					
GPS Data Quality  FOM	Real Time Differe	ential Proces	ssing										
FOM #Meters	HORIZONTAL A	CCURACY	ESTIMATE										
EPE			GPS Data Quality					Interpolation Dal	a Quality				
PDOP  otos:  Photo ID#						So	ource	Map Scale: 1:24,000 1:100,0	000 Other				
Photo ID#   Photo Purpose and Direction   Photo ID#   Photo Purpose and Direction   (upstream, downstream, other)   (upstream, downstream, other)   Photo ID#   Photo Purpose and Direction   (upstream, downstream, other)   Photo Purpose and Direction   Photo Purpose   Ph			2   Feet or ±		Meters			Meters					
Photo ID# (WBID Site# ##)  Photo Purpose and Direction (opstream, downstream, other)  Photo ID# (WBID Site# ##)  Photo Purpose and Direction (upstream, downstream, other)  Photo Direction (upstream, downstream, other)  Photo ID# (WBID Site# ##)  Photo Purpose and Direction (upstream, downstream, other)  Photo ID# (WBID Site# ##)  Photo Purpose and Direction (upstream, downstream, other)  Photo ID# (WBID Site# ##)  Photo Direction (upstream, downstream, other)  Photo ID# (WBID Site# ##)  Photo Direction (upstream, downstream, other)  Photo ID# (WBID Site# ##)  Photo Direction (upstream, downstream, other)  Photo Direction (upstream, downstream, other)  Photo Purpose and Direction (	PDOP		MINT ALLEGA										
es Observed*: (Uses actually observed at time of survey.)  Swimming Skind diving ScUBA diving Tubing Water skiing Wandsurfing Rafting None of the above Other:  Trounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)  City/county parks Playgrounds Materials States parks National forests National forests National of the above Other:	otos:												
A 3 lo    Comparison   Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)					n								
es Observed*: (Uses actually observed at time of survey.)  Swimming Skin diving SCUBA diving Tubing Wader sking Wind surfing Rafting None of the above Other:  Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use Data Sheet D- Recreational Use Interview when conducting interviews.)  Prounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)  City/county parks Playgrounds MDC conservation lands Urban areas Campgrounds Boating accesses State parks National forests Nature trails Stairs/walkway No trespass sign Fence Steep slopes None of the above Other:		1											
es Observed*: (Uses actually observed at time of survey.)  Skin diving   SCUBA diving   Tubing   Water skiing   Water skiing   Water skiing   Water skiing   Rafting	A 2 h		1			1 2-1							
□ Swimming       □ Skin diving       □ SCUBA diving       □ Tubing       □ Water skiing         □ Wind surfing       □ Kayaking       □ Boating       □ Wading       □ Rafting         □ Hunting       □ Trapping       □ Fishing       ⋈ None of the above       □ Other:         Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use Data Sheet D- Recreational Use Interview when conducting interviews.)         **rounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)         □ City/county parks       □ Playgrounds       □ MDC conservation lands       □ Urban areas       □ Campgrounds         □ Boating accesses       □ State parks       □ National forests       □ Nature trails       □ Stairs/walkway         □ No trespass sign       □ Fence       ☑ Steep slopes       □ None of the above       □ Other:	1,0%		-1 1			H31		7					
□ Swimming       □ Skin diving       □ SCUBA diving       □ Tubing       □ Water skiing         □ Wind surfing       □ Kayaking       □ Boating       □ Wading       □ Rafting         □ Hunting       □ Trapping       □ Fishing       ⋈ None of the above       □ Other:         Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use Data Sheet D- Recreational Use Interview when conducting interviews.) <b>rrounding Conditions*:</b> (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.) □ City/county parks □ Playgrounds □ MDC conservation lands □ Urban areas □ Campgrounds □ Stairs/walkway □ No trespass sign □ Fence ☑ Steep slopes □ None of the above □ Other:													
□ Swimming       □ Skin diving       □ SCUBA diving       □ Tubing       □ Water skiing         □ Wind surfing       □ Kayaking       □ Boating       □ Wading       □ Rafting         □ Hunting       □ Trapping       □ Fishing       ⋈ None of the above       □ Other:         Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use Data Sheet D- Recreational Use Interview when conducting interviews.) <b>rrounding Conditions*:</b> (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.) □ City/county parks □ Playgrounds □ MDC conservation lands □ Urban areas □ Campgrounds □ Stairs/walkway □ No trespass sign □ Fence ☑ Steep slopes □ None of the above □ Other:	an Obsaniad	*. (*)					l.						
□ Wind surfing       □ Kayaking       □ Boating       □ Wading       □ Rafting         □ Hunting       □ Trapping       □ Fishing       ⋈ None of the above       □ Other:         Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use Data Sheet D- Recreational Use Interview when conducting interviews.)		: (Uses		uatt			***************************************		T				
☐ Hunting       ☐ Trapping       ☐ Fishing       ☐ None of the above       ☐ Other:         Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use Data Sheet D- Recreational Use Interview when conducting interviews.) <b>rrounding Conditions*:</b> (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.) ☐ City/county parks ☐ Playgrounds ☐ MDC conservation lands ☐ Urban areas ☐ Campgrounds ☐ State parks ☐ Nature trails ☐ Stairs/walkway ☐ No trespass sign ☐ Fence Ø Steep slopes ☐ None of the above ☐ Other:	<u></u>					diving		Li Tubing					
Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use Data Sheet D- Recreational Use Interview when conducting interviews.)  **Trounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)    City/county parks	☐ Wind surfing		☐ Kayaking		☐ Boating			Wading	Rafting				
rrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)  □ City/county parks □ Playgrounds □ MDC conservation lands □ Urban areas □ Campgrounds □ Boating accesses □ State parks □ National forests □ Nature trails □ Stairs/walkway □ No trespass sign □ Fence □ Steep slopes □ None of the above □ Other:							17						
rrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)  □ City/county parks □ Playgrounds □ MDC conservation lands □ Urban areas □ Campgrounds □ Boating accesses □ State parks □ National forests □ Nature trails □ Stairs/walkway □ No trespass sign □ Fence □ Steep slopes □ None of the above □ Other:	Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use Data Sheet D- Recreational												
□ City/county parks       □ Playgrounds       □ MDC conservation lands       □ Urban areas       □ Campgrounds         □ Boating accesses       □ State parks       □ National forests       □ Nature trails       □ Stairs/walkway         □ No trespass sign       □ Fence       ☒ Steep slopes       □ None of the above       □ Other:	Ose interview wi	ich conduct	ing interviews.)										
□ City/county parks       □ Playgrounds       □ MDC conservation lands       □ Urban areas       □ Campgrounds         □ Boating accesses       □ State parks       □ National forests       □ Nature trails       □ Stairs/walkway         □ No trespass sign       □ Fence       ☒ Steep slopes       □ None of the above       □ Other:													
□ City/county parks       □ Playgrounds       □ MDC conservation lands       □ Urban areas       □ Campgrounds         □ Boating accesses       □ State parks       □ National forests       □ Nature trails       □ Stairs/walkway         □ No trespass sign       □ Fence       □ Steep slopes       □ None of the above       □ Other:					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·····							
□ Boating accesses       □ State parks       □ National forests       □ Nature trails       □ Stairs/walkway         □ No trespass sign       □ Fence       □ Steep slopes       □ None of the above       □ Other:	rrounding Co	ondition	S*: (Mark all that pron	note or	impede recreation	onal uses. Att	tach p	hotos of evidence or unusual iter	ns of interest.)				
☐ No trespass sign ☐ Fence ☐ Steep slopes ☐ None of the above ☐ Other:	☐ City/county p	arks	☐ Playgrounds	Πм	IDC conservat	tion lands		☐ Urban areas	☐ Campgrounds				
		sses	☐ State parks		lational forests	s		☐ Nature trails	☐ Stairs/walkway				
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Comments: farm finds i him wind hames		gn	☐ Fence	XLS	teep stopes			I I None of the above	□ Other:				
I I was I was to the contract	☐ No trespass si		Wasan Walanta					Li rone of the above	Li Other:				
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WBID#	3051
Site#	4

Tream Morphology:  Upstream View's Physical Descriptions: Is there any water present at this view?  Yes  No  Select one of the following channel features:  Channel Feature	tther:
Team Morphology: Upstream View's Physical Descriptions: Is there any water present at this view?  Yes  No  If so, is there an obvious current?  Yes  No  Select one of the following channel features: Channel Feature  Transect (#)  Distance from  Width (m)  Length (m)  Median Depth (n)  RIFFLE  RUN  POOL	
Channel Feature   Transect (#)   Distance from   Width (m)   Length (m)   Median Depth (n access (m)   Width (m)   Length (m)   Median Depth (n access (m)   Width (m)   Length (m)   Median Depth (n access (m)   Width (m)   Length (m)   Median Depth (n access (m)   Width (m)   Length (m)   Median Depth (n access (m)   Width (m)   Length (m)   Median Depth (n access (m)   Width (m)   Length (m)   Median Depth (n access (m)   Width (m)   Length (m)   Median Depth (m)   Length (m)   Length (m)   Median Depth (m)   Length (m)   Length (m)   Length (m)   Median Depth (m)   Length	
Upstream View's Physical Descriptions: Is there any water present at this view?  Yes  No	
Upstream View's Physical Descriptions: Is there any water present at this view?  Yes	***************************************
If so, is there an obvious current? Yes	
Select one of the following channel features:  Channel Feature	
Channel Feature  RIFFLE  RUN  POOL  Downstream View's Physical Descriptions: Is there any water present at this view?	
RIFFLE RUN POOL  Downstream View's Physical Descriptions: Is there any water present at this view?  Yes  Need to no of the following channel features:  Channel Feature	Max. Depth (
POOL	
Downstream View's Physical Descriptions: Is there any water present at this view?  Yes  Nester an obvious current?	
Select one of the following channel features:   Channel Feature   Distance from access (m)   Width (m)   Length (m)   Median Depth (m)	
Select one of the following channel features:   Channel Feature   Distance from access (m)   Width (m)   Length (m)   Median Depth (m)	
Select one of the following channel features:   Channel Feature   Distance from access (m)   Width (m)   Length (m)   Median Depth (m)	o O
Select one of the following channel features:  Channel Feature	
RIFFLE  RUN  POOL  bstrate*: (These values should add up to 100%.)  % Cobble  % Gravel  % Sand  40 % Silt  60 % Mud/Clay  uatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)  **The Characteristics*: (Mark all that apply.)  ODOR:	
bstrate*: (These values should add up to 100%.)  % Cobble % Gravel % Sand 40 % Silt (00 % Mud/Clay    uatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)  **Refer Characteristics*: (Mark all that apply.)  ODOR: Sewage Musky Chemical Mone Other:  COLOR: Green Green Gray Milky Other: Ver  BOTTOM DEPOSIT: Sludge Solids Afine sediments None Other:  WATER SURFACE DEPOSITION: Oil Scum Foam None Other:  **The Color of the Clear Green Other of the Color o	Max. Depth (n
bstrate*: (These values should add up to 100%.)  % Cobble % Gravel % Sand 40 % Silt 60 % Mud/Clay    uatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)  **The Characteristics*: (Mark all that apply.)  ODOR: Sewage Musky Chemical None Other:  COLOR: Green Gray Milky Other: Ver  BOTTOM DEPOSIT: Sludge Solids Fine sediments None Other:  WATER SURFACE DEPOSITION: Oil Scum Foam None Other:  **The Color: Sudge Solids Fine sediments None Other:	
## Cobble   ## Gravel   ## Sand   ## ## Silt   ## Mud/Clay    ## United State   ## Sand   ## ## Silt   ## Mud/Clay    ## United State   ## United State    ## United	
## Cobble   ## Gravel   ## Sand   ## ## Silt   ## Mud/Clay    ## United State   ## Sand   ## ## Silt   ## Mud/Clay    ## United State   ## United State    ## United	
uatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)  **Notation**: (Note amount of vegetation or algal growth at the assessment site.)  **Notation**: (Note amount of vegetation or algal growth at the assessment site.)  **Notation**: (Note amount of vegetation or algal growth at the assessment site.)  **Notation**: (Note amount of vegetation or algal growth at the assessment site.)  **Notation**: (Note amount of vegetation or algal growth at the assessment site.)  **Notation**: (Note amount of vegetation or algal growth at the assessment site.)  **Notation**: (Note amount of vegetation or algal growth at the assessment site.)  **Notation**: (Note amount of vegetation or algal growth at the assessment site.)  **Notation**: (Note amount of vegetation or algal growth at the assessment site.)  **Notation**: (Note amount of vegetation or algal growth at the assessment site.)  **Notation**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegetation or algal growth at the assessment site.)  **OLOGICAL SETTION**: (Note amount of vegeta	
Atter Characteristics*: (Mark all that apply.)  ODOR: Sewage Musky Chemical None Other:  COLOR: Green Green Gray Milky Other: Ver  BOTTOM DEPOSIT: Sludge Solids Fine sediments None Other:  WATER SURFACE DEPOSITION: Oil Scum Foam None Other:  mments: Please attach any additional comments to this form.	% Bed
ODOR: Sewage Musky Chemical Mone Other:  COLOR: Green Green Gray Milky Other: Vex  BOTTOM DEPOSIT: Sludge Solids Fine sediments None Other:  WATER SURFACE DEPOSITION: Oil Scum Foam None Other:  mments: Please attach any additional comments to this form.	
ODOR:  Sewage Musky Chemical None Other:  COLOR:  COLOR:  Sludge Solids Fine sediments None Other:  WATER SURFACE DEPOSITION:  Oil Scum Foam None Other:  Water Surface Deposition:  The sediments of this form.	•
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BOTTOM DEPOSIT:   Sludge  Solids  Fine sediments  None  Other:  WATER SURFACE DEPOSITION:  Oil  Scum  Foam  None  Other:  mments: Please attach any additional comments to this form.	1 turbid
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mments: Please attach any additional comments to this form.	
is information is not to be used solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely for removal of a reprociously used and the solely used a	
and the state of t	<b>1</b>
prenensive understanding of water conditions. Consequently, this information is not intended to directly individual	
sion on the recreation use analysis but may point to conditions that need further analysis or that affect another us	
ase verify that you have completed all sections, checked all applicable boxes and that everything	s complete.
veyor's Signature: Roll O. R. Date of Survey: 5-9-07	
Date of Survey: 5-4-01	
anization: _ ERC _ Position: _ Field Manager	Websit Intercontact
Buc 5-21-00 Al 5/22/07	ASSASSIC PURPOSASSICALISMA
M -122/67	Ediford Street, and and a

CDA: 036 UP @ (04-11)

**ERC Recreational Use Attainability Analysis Field Survey Sheet** 

															1 444		Wa	ater Qu	ality P	aramet	ers	
					•			4	-			e,	and Evoir	T F		Dis	solved (	Oxygen:	2.5	<u> </u>	(mg/L)	
	Weathe	Weather Conditions:																				
		SPS Location:  UTM X: <u>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \</u>							(µS/cm	)												
				Но	rizontal .	Accurac	y Estima	ate (GP:	S Data (	Quality):	+/-	27	(feet)	•		\\/ate				28		
	Averag	e Stream	m Width	· 	<u>Z</u> .	0	(	meters)	Len	gth of S	urvey Se	egment:	121	0 (	meters)	, van	21 TOTTIP		11:		.( 0)	
	Fiel	d Staff:		ALLY	7 3	797												rime:	\ \ \ ,			
										Tran	sect Cr	oss-Se	ction									
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2	.45	.22.	μz,	81.	1425	٦١,	£2,	٦١,	,565	150	44.	,12	,५५	.22	,40	,24	1415	.15	μ.	.10	.47	01,
3	.90	05.	30.1	.25	.28,	οΣ,	1.19	<i>₹</i> £,	1,13	.ح.٤	.९५	,20	88.	.43	08,	<i>75,</i>	518,	'33	, 8	.21	. 94	.2١
4	1,35	.45	1.62	.52.	1.28	,34	1,71	,60	1.695	.41	1.41	,78	1.32	۶2,	1,2.	.30	1,245	.42	1.2	FE,	1,41	, <u>Z</u> 4
5	1.8	.62	5.16	, ړې.	1.7	.37	2,28	, 64	2.26	20,	1.88	85,	1,76	.52.	116	<i>FP.</i>	1.66	.41	١, ٤	,45	1.88	,41
6	2,25	<u>Σ</u> Z,	5,7	04.	2.45	125	28.5	که.	2:625	.39	2.35	,25	2,2	02,	5.0	160	5-075	F4.	2.0	02,	2,35	,60
7	2.7	£Ρ.	3,24	82,	2,55	,60	3.42	.62	3,29	.23	5.85	.26	5.64	38	2.4	,23	ટ.ધવ	82,	2,4	۱۲,	2,82	, <del>7</del> 9
8	3,15	νZ.	84,5	٥٤.	7,975	,55	3,99	. 65	3.425	,29	3,29	,24	3.08	.25	2.8	.35	2,905	,38	۲,8	. 50	3.29	00.
9	3.6	,44	4,32	.39	3,4	.20	4.56	.59	4,52	,26	3,76	,20	3,25	,24	3.2	,14	3,32	36.	3,2	,37	3,76	, 7 g
10	20.1	,5%	4.86	.26	3,825	:27	2,13	,40	5,085	.22	4'53	١١.	3,96	.18	3.6	15	3,735	,15	3,6	١٤.	4.23	34,
11	4,5	2,0	2,4	.02	4,25	50.	2,7	50,	5,15	10,	4.7	.02	4.4	.02	ч.0	.02	4.15	١٥.	0,0	10,	4,13	10,
12		_																				
ture Type in, or pool;				·~	٣٠	1 m	.02	×	40	~	10	<b>ب</b>	10	<b>*</b> ~	۳٤٠	٠	را ۲۰۱۰	<i>N</i>	(	) <b>h</b>		

Notes: Transects will be measured beginning on left descending bank and finishing on right descending bank.

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order.

Mr 5/22/07

Signed: Politica

\_Date: <u>S-9- ೧೫</u>೨೪

Juc 5-21-0

WBID#	305L
Site#	වි

Date & Time:	( A	1 14:00	<del></del>	l si	ite Locat	ion Desc	cription (e.g., road crossing):				
<u></u>	<u> </u>				upstream of CR 266						
Personnel (Data				T.	Facility Name: Benton WWTP						
Current Weather	r Conditions	s: clean is sur	mul		ermit Nu		Benton WW MO0055186	2.			
Weather Condit	ions for Pas	t 10 days:									
Drought Conditi	ions?: No d	rought ⊠; Phase I □	]; Phase	e II □; Pha	se III 🗆	; Phase	IV □; Unknown □				
				***************************************		**********					
te Locations		NIVERSAL TRANSVER	SE MERC	ATOR PROJ	ECTION, I	N METER	(8)				
		TM X: 16 3									
l .				,							
	Global	Positioning System (0	GPS)				Interpolati				
Static Mode  Dynamic Mode (	Kinematic)						phic Map or DRG notograph or DOQQ				
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Signal Averaging		* * * * * * * * * * * * * * * * * * * *					tion Other				
Real Time Differ		ssing				<del></del>					
HORIZONTAL A	CCURACY	ESTIMATE									
GPS Data Quality Interpolation Data Quality											
FOM	±_	Meters	S			Source	Map Scale: 1:24,000 1:100,0	000 Other			
EPE	±	<u> A / □ Feet or ± </u>	N	leters			+ Feet or +	Motors			
PDOP ±Meters											
otos:											
Photo ID# (WBID_Site#_##)	,	Photo Purpose and D (upstream, downstream,			Photo (WBID S			se and Direction ownstream, other)			
	1	Upstream					Downstre	· · · · · · · · · · · · · · · · · · ·			
A 39		- 11				,_					
,, _		1 1 f			AE	ර්ජි					
es Observed	l*: (Uses :	actually observe	d at tin	ne of surv	vey.)						
		☐ Skin diving		□ SCUBA	diving	☐ Tubing		☐ Water skiing			
☐ Wind surfing	<u> </u>	☐ Kayaking		☐ Boating			☐ Wading	☐ Rafting			
☐ Hunting		☐ Trapping		☐ Fishing			☑ None of the above	☐ Other:			
Describe: (Inclu	de number o	of individuals recreati	ng, phot	o-documenta	ation of a	evidence	of recreational uses, etc. Us	e Data Sheet D- Recreational			
Use Interview w	hen conduct	ting interviews.)									
<u> </u>							***************************************				
rrounding C	ondition	S*: (Mark all that pron	note or in	pede recreation	onal uses.	Attach p	hotos of evidence or unusual iten	ns of interest.)			
☐ City/county	parks	☐ Playgrounds	□мп	OC conservat	tion land	s	☐ Urban areas	☐ Campgrounds			
☐ Boating acce	esses	☐ State parks	□ Na	tional forest	s		☐ Nature trails	☐ Stairs/walkway			
☐ No trespass s	ign	☐ Fence	⊠ Ste	ep slopes			☐ None of the above	☐ Other:			
Comments:	belo										
					***************************************						

WBID#_	3051
Site#	.5

Roads	Human Use*: (a	☐ Foot paths/		) a als/mlatfa	Тп.:	dr Wetani	При	/ ATT/ T1
			•	Oock/platform	Livestoo			ATV Tracks
☐ Camping Si Comments:	ies	☐ Fire pit/ring	g   L r	IPDES Discharge	☐ Fishing	Tackle	☐ Othe	7:
Comments.	none							
ream Morph	ology:							
•	ew's Physical De	scriptions: Is	there any wa	iter present at t	his view? `E	∀Yes □	No	
		-	•	n obvious curre	/	,	No	
Select one of	the following cha			n oovious curi	DIII: 92	3/103	140	
Channel Featur		#) Distance	e from \	Width (m)	Length (m)	Median De	epth (m)	Max. Depth (m)
RIFFLE		access	s (m)		<u>-</u>	1		
RUN					***************************************		+	
POOL								
· Budgettillere treetig a committee all common			and the control of the form of the	249210110101010101010101010101010101010101				
Downstream	View's Physical	Descriptions:	Is there any	water present a	at this view?	⊠(Yes	□No	
		]	If so, is there	an obvious cu	rrent?	⊠Yes [	⊒ No	
	the following cha	nnel features:		, fagin ( , , , , , , , , , , , , , , , , , ) and a substitution of a great of a great of a great of a great o	Ach a through sett avectoring	de grade gode familier en de service et de	and the first residence	
Channel Feature RIFFLE	e Distance fro	m access (m)	Width (m)	Length (i	m) Mo	edian Depth (n	n)	Max. Depth (m)
RUN								
POOL								
Taring a significant segment as a significant							Stiffue and east	
	hese values should			11 2 =	A/ G'Y	- MA 110	<del>,                                    </del>	A/ = -
70 C	Copple	% Gravel	% San	85	% Silt \	S % Mud/C	Jay	% Bedro
uatic Vegeta	ation*: (Note amo	ount of vegetat	ion or algal ¿	growth at the as	sessment sit	te.)		
no veg	Jetation in	Stream	charta	2				
				***************************************		· · · · · · · · · · · · · · · · · · ·		
	eristics*: (Mark							
ODOR:		☐ Sewage	☐ Musky	☐ Chemical	⊠ None			
COLOR:		☐ Clear	☐ Green	☐ Gray	☐ Milk	y 🗵 Other:	Very.	turbid
BOTTOM DEP	OSIT:	☐ Sludge	□ Solids	☑ Fine sedimer	nts 🗆 None	☐ Other:	:	
WATER SURF	ACE DEPOSITION:	□ Oil	☐ Scum	☐ Foam	☑ None	Other:	;	
4								
mments: Ple	ease attach any add	litional comme	ents to this fo	orm.				
nis information i	is not to be used sol	ely for removal	of a recreation	al use designation	on but rather i	s to provide	a more	
nprehensive und	lerstanding of water	conditions. Con	nsequently, th	is information is	not intended	to directly in	ıfluence	a
ision on the reci	reation use analysis	out may point to	conditions th	at need further a	malysis or tha	it affect anoti	her use,	
ase verify tha	t you have comp	leted all sectio	ns, checked	all applicable	boxes and	that everytl	hing is	complete.
veyor's Signa	ture: Folul	N Duc		Date of	Survey:	5-9-0		
anization:	SRC	•	Positi	on: Field	Maka	m a torix		
				OH, LLCOUR	1 / / (( * / / * /			
	m in c		TOSIG	on. 1100	, Macrox	<u> </u>		
	on c	5-2,	1-0T	on	- Macros	<del>24</del> C7	<del></del>	

038 Nome (502-01)

COA 039 Up@ (05-11)

ERC Recreational Use Attainability Analysis Field Survey Sheet

			2.ヘ				$\sim$	win.								Water Quality Parameters						
								2	•		•					Dis	solved C	Oxygen:	7.5	52	(mg/L)	
	Weathe	er Condi	tions:		1 MNY	1			· · · · · · · · · · · · · · · · · · ·		ı					Dis	solved C	Oxygen:	66	.5	(% sat)	
	GPS Lo		165	02	62899	4	UTM <b>Y</b> :	411	3290	•			d	*			Specific	c Cond:	. 20	7	(µS/cm)	)
				Ho	rizontal .	Accurac	y Estima	ate (GP:	S Data (	Quality):	+/- 7	_6	, ,	.~		Wate	er Tempe	erature:	24.	્ <i>૯</i> ૪	(°C)	
	Averag		^		<u>(0.1</u>	2	(	meters)	Len	gth of Su	ırvey Se	egment:	15	<u></u> (	meters)				11:40			
	Field	d Staff:	<u> 146</u>	by.	FBE	<u> </u>					WILLIAM		andre e e e									
	3,000,000		u-best efficientalities/month		ansulation.					Trans	ect Cr	oss-Se	ction									
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	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
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3	1.04	,54	.80	.37	,84	.25	,19	,31	,24 -	31	,8	.39	,96	24	,78	.22	185	,18	,82	118	72	م) ر
4	1.56	.(15)	1,29	,43	1.26	.33	117.	?	1142	,42	41,2	_37	1.44	,19	1.17	.28	1.32	,29	1.23	.27	1.08	.21
5	2.08	.69	1.72	,47	1,78	4	1.50	,30	1.52	.40	110	:41	1.92	,24	156	. 28	1.76	.39	1.64	<sup>7</sup> 39	1.44	,23
6	2.6	.65	215	.48	2.2	.51	195	.37	19	.37	20	.30	2.4	.30	199	<u>.36</u>	2.2	,45	<i>2</i> 05	.30	3,6	, ኢን
7	3.12	.66	2.58	.44	2.62	.51	2.34	,40	2.24	.38	2.4	.33	2.85	.3(0	2.34	.37	2164	,49	2.46	,29	2.16	.23
8	364	609	<u>3.01</u>	.42	3.04	<u>,50</u>	2.73	.4le	2.66	,35	2.8	.30	3.34	,38	2.13	,33	<u>308</u>	,46	287	.AS	2.52	.[2
9	4.14	.51	344	.4]	2,46	,37	312	.40	3,04	27	3.2	,24	3.84	.38	3.21	, 50	3,52	.37	3,28	.25	2.88	, \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
10	4.6%	,24	3,87	.31	3.88	,17	3.51		3.42	.15	3.6	.16	4,32	.21	3.51	16	3.96	320	3.69	114	324	.14
11	80	<u> </u>	4.3	<i>.</i> 62	4.2	, , Ol	39	,6(	3.8	,02	4	,03	4.8	.03	3.9	.02	4,4	O1	4.1	,03	3,6	.01
12																						
Feature Type iffle, run, or pool		<u> </u>										Average of the parent	A STATE OF THE PARTY OF THE PAR	and the second second	WALLS OF THE PROPERTY OF		***************************************	***************************************		hwayan a panga a da a anaga a ta	<u> </u>	ffile

Notes: Transects will be measured beginning on left descending bank and finishing on right descending bank.

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order.

Aline ( de) when

Date: <u>S</u> **1**/27

WBID#	3051
Site#	6

Date & Time:	5-9-	-07 14:	35	S	ite Location	Desc	cription (e.g., road crossing):			
Personnel (Data	Collectors)	: Abby & Br	-b		Co.	Fee	CO. C. C. C. C.	in the artement		
		s: sumy w		<u> </u>	acility Name ermit Numbe		Rowton a MO 005518	JW4V		
Weather Condit	ions for Pas	t 10 days:								
Drought Conditi	ions?: No d	rought 🏿; Phase I 🕻	]; Phase II (	□; Pha	se III □; Ph	nase	IV □; Unknown □			
		······································								
e Locations:		NIVERSAL TRANSVER	SE MERCATO	R PROJ	ECTION, IN MI	ETER	ls)			
		TM X: 16 5					1110936			
HORIZONTAL CO	LLECTION A	AETHOD (Indicate the m	ethod used to	determine						
Static Mode	Global	Positioning System (	GPS)		Ton	2010	Interpolati phic Map or DRG	on I		
Dynamic Mode (	Kinematic)						notograph or DOQQ			
Precise Position							Imagery			
Signal Averaging		· · · · · · · · · · · · · · · · · · ·		1			tion Other			
Real Time Differ		ssing								
HORIZONTAL A			The Property			(S.S.)				
		GPS Data Quality					Interpolation Dat	a Quality		
FOM	±	Meter	S		Sou	ırce	Map Scale: 1:24,000 1:100,0	000 Other		
EPE	±	19Feet or ±	Meter	S			±Feet or ±			
PDÓP			•				Treer or T_	INIERS.2		
otos:										
. Photo ID# (WBID_Site#_##)		Photo Purpose and I			Photo ID:			e and Direction wnstream, other)		
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A40		711			AHI					
/( ( )		ι , ,			71.11		}			
es Observed	l*: (Uses :	actually observe	d at time o	of surv	/ey.)					
☐ Swimming		☐ Skin diving		SCUBA	diving		☐ Tubing	☐ Water skiing		
☐ Wind surfing	ļ	☐ Kayaking		3oating			☐ Wading	☐ Rafting		
☐ Hunting		☐ Trapping		ishing			None of the above	☐ Other:		
Describe: (Include	de number o	of individuals recreati	ng, photo-do	cument	ation of evid	ence	of recreational uses, etc. Us	e Data Sheet D- Recreationa		
Use Interview w	hen conduc	ting interviews.)								
			······································					-		
rounding Co	ondition	S*: (Mark all that pron	note or impede	e recreati	onal uses. Atta	ach p	hotos of evidence or unusual iten	ns of interest.)		
☐ City/county 1		☐ Playgrounds	☐ MDC c				☐ Urban areas	☐ Campgrounds		
☐ Boating acce	sses	☐ State parks	☐ Nation:	al forest	s		☐ Nature trails	☐ Stairs/walkway		
☐ No trespass s	ign	☐ Fence	ÇX Steep s	lopes		☐ None of the above ☐ Other:				
			· · · · · · · · · · · · · · · · · · ·		······································			1		
Comments: \(\tau\)	Decp	mud far	rm fle	lols						
					<del></del>					

### Data Sheet B - Site Characterization

(must be completed for each site)

idications of h	luman Use*: (a	attach photos)				
Roads	☐ Rope swings	☐ Foot paths/prints	☐ Dock/platform			
Comments:	S	☐ Fire pit/ring	□ NPDES Discha	1	estock Watering	□ RV / ATV Trac
Comments;	None		12 14 DES DISCHA	rge     Fis	hing Tackle	Other:
Stream Morphol Upstream View	ogy: ''s Physical Desc	Crintians. In the				
Upstream View Selectone of the	following chan	If so, is t	any water present a there an obvious cu	t this view? rrent?		No
Channel Feature	Transect (#)				□ Yes ⊠	No
RIFFLE		access (m)	Width (m)	Length (m)	Median De	oth (m) Max. Depth
RUN						Max. Deput
POOL						
Downstream Vie						
POOL  bstrate*: (These was Cobble watic Vegetation was af the cobble water Characteristics)	*: (Note amount	of vegetation or alg		% Silt	% Mud/Clay	Max. Depth (m
opop:	s*: (Mark all th	at annly )		-(Clab)	refres	
ODOR:						
COLOR:		7		☐ None	Other:	
BOTTOM DEPOSIT:		A		☐ Milky	Other:	
WATER SURFACE DE	POSITION:	Sludge	7. are sediments	□ None	Other:	
nments: Please atta			☐ Foam	None	Other:	
s information is not to borehensive understanding ion on the recreation us se verify that you ha	be used solely for a ng of water conditi se analysis but may	removal of a recreations. Consequently, the point to conditions to	onal use designation b his information is not hat need further analy	sis or that at	directly influend fect another use	ce a c.
se verify that you have you's Signature:	Poly A	Rections, checked	all applicable box	es and tha	t everything is	s complete.
nization:	ERC	Positi	on: <u>Feld</u>	ey:	7-2007	
$\Omega$	anc 3	- 2/ = 0	rieia	Maha	KC	
✓	10-	//-01				

**ERC Recreational Use Attainability Analysis Field Survey Sheet** 

Water Quality Parameters Waterbody ID: 30らし Site #: 06 Dissolved Oxygen: 259 (mg/L) Weather Conditions: SUNNI Dissolved Oxygen: 국식, 어 (% sat) GPS Location: UTM X: 165 0258610 UTM Y: 4110936

Horizontal Accuracy Estimate (GPS Data Quality): +/-Specific Cond: 479 (µS/cm) (feet) Water Temperature: 32.5식 (°C) Average Stream Width: (meters) Length of Survey Segment: Time: 14155

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Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)
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210	30,5	01.	3.15	.05	3,22	0).	3.22	.11	3.29	٠٥٢	3.15	13	7,0q	18	308	,18	3.15	.19	3.08
	7.52	٥١,	3.4	.()9	3.68	٠٥٩	368	,13	3.76	, <b>Q</b> ⊊	36	~18	3.25	£1,	352	.17	3.50	FI.	352
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£6, <	4.4	.03	4,5	,03	4.6	.03	4.10	,02	4.7	٥٥٠	4.5	.DЭ	47.	, ۲۵	44	,02	7.7	٠٥٠	4,4
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Notes: Transects will be measured beginning on left descending bank and finishing on right descending bank.

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order

Signed: Missing Date: 5/9/07

Ou C 15-21-07

WBID#_	3051
Site#	~

	Date & Time: 5-	9-07				cription (e.g., road crossing):				
	Personnel (Data Colle	ctors): Abby + Bol	<b>0</b>		Co Fe	d. #266 ups				
	Current Weather Cond	litions:		Facility		Bonton WW	TP			
				Permit 1	lumber:	MO 005518				
	Weather Conditions fo	or Past 10 days:								
	Drought Conditions?:	No drought ☑; Phase I	]; Phase II □; F	hase III l	□; Phase	IV □; Unknown □				
Sit	e Locations:									
						<b>(S)</b>				
		es: UTM X: \\ S \				10 672 Jeografia				
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	Static Mode					phic Map or DRG				
	Dynamic Mode (Kinem					notograph or DOQQ				
	Precise Positioning Ser	rvice			Satellite					
	Signal Averaging				Interpola	tion Other				
	Real Time Differential I									
	HORIZONTAL ACCUR	IACY ESTIMATE								
		GPS Data Quality				Interpolation Data	Quality			
	FOM	±Meters			Source	Map Scale: 1:24,000 1:100,0	00 Other			
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ł					l					
Us	es Observed*: (U	ses actually observed	d at time of su	irvey.)						
		☐ Skin diving		BA diving	7	☐ Tubing	☐ Water skiing			
	☐ Wind surfing	☐ Kayaking	☐ Boati	ng		☐ Wading	☐ Rafting			
	☐ Hunting	☐ Trapping	☐ Fishir			None of the above	☐ Other:			
	Describe: (Include nun	nber of individuals recreati	ng, photo-docume	entation o	f evidence	of recreational uses, etc. Use	Data Sheet D- Recreational			
	Use Interview when co	inducting interviews.)								
						······································				
Su	rrounding Condi	tions*: (Mark all that pron	note or impede recre	eational us	es. Attach p	hotos of evidence or unusual item	s of interest.)			
	☐ City/county parks	☐ Playgrounds	☐ MDC conse	rvation la	nds	☐ Urban areas	☐ Campgrounds			
	☐ Boating accesses	☐ State parks	☐ National for	ests		☐ Nature trails	☐ Stairs/walkway			
ſ	☐ No trespass sign	☐ Fence	Steep slopes	3		☐ None of the above	☐ Other:			
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	Comments: Farn	nfields d	ecp mud	Ì						
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WBID#	3051
Site#	

ream Morphology: Upstream View's Physics Select one of the follow Channel Feature TRIFFLE RUN POOL Downstream View's Ph	ving chan Transect (#)	escriptions	Is there a If so, is there ance from sess (m) s: Is there If so, is	ny wanere a	n obvious curre	nt?	Yes □ Yes ⊄ Median De	Epth (m)  No No	Max. Depth (m)
ream Morphology: Upstream View's Physical Channel Feature RIFFLE RUN POOL  Downstream View's Physical Channel Feature Channel Feature RIFFLE RUN POOL  Distrate*: (These values % Cobble  Strate*: (Th	sical Desc ving chan Transect (#) hysical De	escriptions	If so, is there if so, is es:	any there	m obvious curre	is view? [5] nt?   Length (m)  this view? ent?	Yes  Yes  Median De	No No epth (m)  No No	Max. Depth (m)
Select one of the follow Channel Feature RIFFLE RUN POOL  Downstream View's Ph Select one of the followich o	sical Desc ving chan Transect (#) hysical De	escriptions	If so, is there if so, is es:	any there	m obvious curre	nt?	Yes   Karley   Median De	No  pth (m)  No  No	
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Select one of the follow Channel Feature  RIFFLE RUN POOL  Downstream View's Ph Select one of the followichannel Feature Channel Feature RIFFLE RUN POOL  Distrate*: (These values % Cobble  Latic Vegetation*: (Note that the companion of the following photostrate in the companion of the color in th	ving chan Transect (#) hysical De	escriptions	If so, is there if so, is es:	any there	m obvious curre	nt?	Yes   Karley   Median De	No  epth (m)  No No	
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RIFFLE RUN POOL  Downstream View's Ph Select one of the followi Channel Feature RIFFLE RUN POOL  Distrate*: (These values % Cobble  Datic Vegetation*: (No Most of the ter Characteristics*: ( ODOR: COLOR: BOTTOM DEPOSIT: WATER SURFACE DEPOSIT Internation is not to be us orehensive understanding of	Transect (#) hysical De	Dista acco	s: Is there If so, is	e any	water present at	this view?	ĭ Yes □ Yes □	□ No No	
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RUN POOL  Downstream View's Ph Select one of the followi Channel Feature Channel Feature RIFFLE RUN POOL  Destrate*: (These values % Cobble  Jatic Vegetation*: (No Most of the followi ter Characteristics*: ( ODOR: COLOR: BOTTOM DEPOSIT: WATER SURFACE DEPOSIT  Inments: Please attach a sinformation is not to be us orehensive understanding of	ing chani	nel feature	If so, is es:	there	an obvious curr	ent?	□ Yes ⊅	Ŭ_No	Max. Depth (m)
POOL  Downstream View's Ph Select one of the followichannel Feature Dist RIFFLE RUN  POOL  Destrate*: (These values % Cobble    Distrate*: (These values % Cobble    Distrate*: (These values % Cobble    Destrate*: (Note that the part of	ing chani	nel feature	If so, is es:	there	an obvious curr	ent?	□ Yes ⊅	Ŭ_No	Max. Depth (m)
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Select one of the following Channel Feature Distrater RIFFLE  RUN  POOL  Destrate*: (These values % Cobble    Latic Vegetation*: (Note that the company of t	ing chani	nel feature	If so, is es:	there	an obvious curr	ent?	□ Yes ⊅	Ŭ_No	Max. Depth (m)
Select one of the following Channel Feature Distrater RIFFLE  RUN  POOL  Destrate*: (These values % Cobble    Latic Vegetation*: (Note that the company of t	ing chani	nel feature	If so, is es:	there	an obvious curr	ent?	□ Yes ⊅	Ŭ_No	Max. Depth (m)
Select one of the following Channel Feature Distrater RIFFLE  RUN  POOL  Destrate*: (These values % Cobble    Latic Vegetation*: (Note that the company of t	ing chani	nel feature	If so, is es:	there	an obvious curr	ent?	□ Yes ⊅	, p.,	Max. Depth (m)
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	CDA 043 Up @(07-11)
ERC Recreational Use Attainability Analysis Field Sur	vey Sheet Water Quality Parameters
Waterbody ID: 3051 Site #: 07	
Weather Conditions: 5000 Lew 1000 830	Dissolved Oxygen: 3,21 (mg/L)
GPS Location:	Dissolved Oxygen: 44.0 (% sat)
UTM X: 1650358539 UTM Y: 4110672 (feet)	Specific Cond: 487 (µS/cm)
Average Stream Width: 4.5 (meters) Length of Survey Segment: 150 (meters)	Water Temperature: 31.0% (°C)
Field Staff: Alaca 4 Bolo	Time: 15'.02

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Notes: Transacts will be measured beginning on left descending bank and finishing on right descending bank.

GPS location corresponds to Transect 01. Transects ordered in upstream to downstream order.



Site# 1 Photo ID# A31, Upstream



Site# 2 Photo ID# A33, Upstream



Site# 1 Photo ID# A30, Downstream



Site# 2 Photo ID# A32, Downstream



Site# 3 Photo ID# A35, Upstream



Site# 4 Photo ID# A36, Upstream



Site# 3 Photo ID# A34, Downstream



Site# 4 Photo ID# A37, Downstream



Site# 5 Photo ID# A39, Upstream



Site# 6 Photo ID# A40, Upstream



Site# 5 Photo ID# A38, Downstream



Site# 6 Photo ID# A41, Downstream



Site# 7 Photo ID# A43, Upstream



Site# 7 Photo ID# A42, Downstream